MISSISSIPPI STATE DEPARTMENT OF HEALTH2013 MAY 21 AM 8: 21 BUREAU OF PUBLIC WATER SUPPLY CCR CERTIFICATION FORM CALENDAR YEAR 2012 City of Lucedale

	Public Water Supp	ply Name
	0200004	
	List PWS ID #s for all Community Water	er Systems included in this CCR
The Corresponding of e	re Federal Safe Drinking Water Act (SDWA) requires each Consumer Confidence Report (CCR) to its customers each year. tem, this CCR must be mailed or delivered to the customers, publicationers upon request. Make sure you follow the proper procedure electronic delivery, we request you mail or fax a hard copy teck all boxes that apply.	mmunity public water system to develop and distribute a Depending on the population served by the public water lished in a newspaper of local circulation, or provided to the res when distributing the CCR. Since this is the first year of the CCR and Certification Form to MSDH. Please
	Customers were informed of availability of CCR by: (Att	tach copy of publication, water bill or other)
	 □ Advertisement in local paper (attach co □ On water bills (attach copy of bill) □ Email message (MUST Email the mess □ Other 	age to the address below)
	Date(s) customers were informed:/,	/ / , / /
	CCR was distributed by U.S. Postal Service or other methods used	• • •
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CER I her publishes the Department of the Popular Deliving Burea P.O.	CCR was published in local newspaper. (Attach copy of page 1) Name of Newspaper: George County Times Date Published: 5 / 9 / 13 CCR was posted in public places. (Attach list of location) CCR was posted on a publicly accessible internet site at the country of the certify that the 2012 Consumer Confidence Report lic water system in the form and manner identified above SDWA. I further certify that the information included in water quality monitoring data provided to the public partment of Health, Bureau of Public Water Supply.	bublished CCR or proof of publication) Date Posted:/_ the following address (DIRECT URL REQUIRED): (CCR) has been distributed to the customers of this ye and that I used distribution methods allowed by a this CCR is true and correct and is consistent with the water system officials by the Mississippi State

2013 MAY 21 AM 8: 21

2012 Annual Drinking Water Quality Report City of Lucedale PWS#: 0200004 April 2013

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Miocene Aquifer.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the City of Lucedale have received lower to moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact John Bowie at 228.990.0241. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of the month at 7:00 PM at the Lucedale City Hall.

We routinely monitor for constituents in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2012. In cases where monitoring wasn't required in 2012, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) — The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

				TEST RESU	JLTS					
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamina		
Microbiolo	aical Ca	ntamina	anta							
TITLE ODIOIO	gicai Co)111a1111111	ants							
Total Coliform Bacteria	Y	April 2012	Monitoring		NA	0	b	ence of coliform acteria in 5% of nonthly samples	Naturally present in the environment	
1. Total Coliform	Y	April 2012	 		NA	0	b	acteria in 5% of		

14. Copper	N	2009/1	1 .2	0		ppm		1.3 AL	=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2011	1.75	.28 – 1.75		ppm		4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2009/1	1 1	0	0			0 AI	<u>-</u> =15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfectio	n By-	Produc	ts							
81. HAA5	N	2012	10	No Range	ppb		0			By-Product of drinking water lisinfection.
82. TTHM [Total trihalomethanes]	N	2012	13.9	No Range	ppb		0			By-product of drinking water chlorination.
Chlorine	N	2012	1.3	.33 – 2.55	Mg/l		0	MDRL =		Vater additive used to control

^{*} Most recent sample. No sample required for 2012. ** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.7 - 1.3 mg/l.

Microbiological Contaminants:

(1) Total Coliforms. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Disinfection By-Products:

Chlorine. Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In April 2012 our system received a routine minor monitoring violation for coliform and a routine major monitoring violation for chlorine. There was no problem with the water quality and there has been no failure of any water samples tested. Four samples were taken and were rejected due to the custody seals not applied correctly. This problem has been corrected and will not be a problem in the future.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the CITY OF LUCEDALE is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 4. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 44%.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

*****April 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

In accordance with the Radionuclides Rule, all community public water supplies were requires to sample quarterly for radionuclides beginning January 2007 — December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

The City of Lucedale works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

PROOF OF PUBLICATION OF NOTICE

2013 MAY 21 AM 8: 21

Newspaper Clipping of Notice Must Be Securely Pasted In This Column

STATE OF MISSISSIPPI **COUNTY OF GEORGE**

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City of Lucedale PWS#: 0200004 April 2013

RECEIVED-WATER SUPPLY

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.1				TEST R	ESU.	LTS					
ontaminant	Violation Y/N	Date Collected	Level Detected	Range of Detection # of Sample Exceeding MCL/ACL	s	Unit Measure -ment	MCL	G	MCL	Likely Source o	f Contamination
Microbiolog	ical Co	ontamin	iants								(Action)
. Total Coliform Jacteria	Y	April 2012	Monitorin	g .		NA		0	'	ence of coliform pacteria in 5% of monthly samples	Naturally present in the environmen
Inorganic C	ontam	inants									
0: Barium	North of the	2011		.003007	essz - t	ppm		2	2 2 3 3	erosion of natu	metal refineries
4. Copper	N	2009/11	.2	0		ppm		1.3	AL=1.3	systems; erosideposits; leach	ing from wood
6. Fluoride**	N	2011	1.75	.28 – 1.75		ppm		4	4	additive which	ural deposits; water promotes strong se from fertilizer and ories
7. Lead	N	2009/11	1	0		ppb		0	AL=15	Corrosion of h systems, eros deposits	ousehold plumbing ion of natural
Disinfection	Rv.P	roducts								3 8 9 9 2	
II. HAAS		2012	10	No Range	ppb		. 0	1	60	By-Product of dr disinfection.	inking water
12. TTHM Total	N	2012	13.9	No Range	ppb		0		80	By-product of dr chlorination.	2
inalomethanes] Chlorine	N	2012	1.3	.33 - 2.55	Mg/l		0	M	DRL=4	Water additive t	ised to control

0.7 - 1.3 mg/l.

Most recent sample. No sample required for 2012. ** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level

) Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be

Chlorine	IN	2012	1 1.3	1 .33 - 2.55	Mg/I	0	MDRL=4	Water additive used to control	
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*****April 1, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

n accordance with the Radionuclides Rule, all community public water supplies were requires to sample quarterly for radionuclides beginning January 1007 - December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue I violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, it 601.576.7518.

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